

Appl. No. 10/643,827  
Reply to Office Action of May 1, 2006

IN THE CLAIMS

1. (Withdrawn) A propellant container, which comprises:  
  
a substrate, forming at least a part of said propellant container, and having an outer surface;  
  
a base material, having a rough outer surface relative to said outer surface of said substrate, covering said substrate.
2. (Withdrawn) A propellant container according to claim 1, which further comprises:  
  
an insulation material formed over said base material.
3. (Withdrawn) A propellant container according to claim 2, wherein said insulation material is spray-on foam insulation.
4. (Withdrawn) A propellant container according to claim 1, wherein said base material outer surface is corrugated.
5. (Withdrawn) A propellant container according to claim 1, wherein said base material is a mesh sheet having openings therein.
6. (Withdrawn) A propellant container according to claim 1, wherein said base material has extensions that extend in a direction away from said substrate outer surface.

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7. (Withdrawn) A propellant container according to claim 6, wherein said extensions are formed by machine punching said base material.
8. (Withdrawn) A propellant container according to claim 6, wherein said extensions have fingers for gripping an insulation material to be formed over said base material outer surface.
9. (Withdrawn) A propellant container according to claim 6, wherein said fingers extend away from said extensions in a direction approaching said substrate outer surface.
10. (Withdrawn) A propellant container according to claim 9, wherein said extensions and said fingers together form hooked formations.
11. (Withdrawn) A propellant container according to claim 9, wherein said extensions and said fingers together form barbed formations.
12. (Withdrawn) A propellant container according to claim 6, wherein said extensions are spaced apart from one another by between about ½ inch and about 1 inch.
13. (Withdrawn) A propellant container according to claim 6, wherein said extensions are spaced apart from one another non-uniformly, with a higher concentration of said extensions being disposed in a predetermined region where an insulation material to be formed over said base material outer surface is most likely to de-bond from said substrate.

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14. (Withdrawn) A propellant container according to claim 1, which further comprises an adhesive material adhering said base material to said substrate.

15. (Withdrawn) A propellant container according to claim 1, wherein said base material is tack-welded to said substrate.

16. (Currently amended) A method for adapting a propellant container to ~~preventing prevent~~ de-bonding of insulation therefrom, ~~which comprises the method comprising:~~

forming at least a part of said propellant container from a substrate having an outer surface; and

covering said substrate with a base material having an inner surface, a rough outer surface relative to said outer surface of said substrate, and extensions that extend from said base material in a direction away from said rough outer surface without extending in a direction approaching said outer surface of said substrate; and adhering said inner surface to said outer surface of said substrate.

17. (Currently amended) A method according to claim 16, which further comprises:

forming an insulation material over said base material and encapsulating said extensions with said insulation material.

18. (Original) A method according to claim 17, wherein said insulation material is spray-on foam insulation.

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19. (Original) A method according to claim 16, wherein said base material outer surface is corrugated.

20. (Original) A method according to claim 16, wherein said base material is a mesh sheet having openings therein.

21. (Canceled)

22. (Currently amended) A method according to claim ~~21~~ 16, wherein said extensions are formed by machine punching said base material.

23. (Currently amended) A method according to claim ~~21~~ 17, wherein said extensions have fingers for gripping an said insulation material ~~to be formed over said base material outer surface.~~

24. (Currently amended) A method according to claim ~~21~~ 23, wherein said fingers extend away from said extensions in a direction approaching said ~~substrate~~ outer surface of said substrate.

25. (Original) A method according to claim 24, wherein said extensions and said fingers together form hooked formations.

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26. (Original) A method according to claim 24, wherein said extensions and said fingers together form barbed formations.

27. (Currently amended) A method according to claim ~~24~~ 16, wherein said extensions are spaced apart from one another by between about ½ inch and about 1 inch.

28. (Currently amended) A method according to claim ~~24~~ 17, wherein said extensions are spaced apart from one another non-uniformly, with a higher concentration of said extensions being disposed in a predetermined region where an said insulation material ~~to be formed over said base material outer surface~~ is most likely to de-bond from said substrate.

29. (Currently amended) A method according to claim 16, wherein said ~~base material has an inner surface having~~ has an adhesive material adhered thereto before said base material is adhered to said substrate.

30. (Original) A method according to claim 16, wherein said base material is adhered to said substrate using an adhesive material.

31. (Original) A method according to claim 16, wherein said base material is tack-welded to said substrate.

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32. (Withdrawn) An insulated container, which comprises:

a substrate having an outer surface;

a base material, having a rough outer surface relative to said outer surface of said substrate, covering said substrate; and

an insulation material formed over said outer surface of said base material.

33. (Currently amended) A method for preventing de-bonding of insulation from a container, ~~which comprises~~ the method comprising:

forming at least a part of said propellant container from a substrate having an outer surface;

covering said substrate with a base material having an inner surface, a rough outer surface relative to said outer surface of said substrate, and extensions that extend from said base material in a direction away from said rough outer surface without extending in a direction approaching said outer surface of said substrate:

adhering said inner surface to said outer surface of said substrate; and

forming an insulation material over said rough outer surface of said base material and encapsulating said extensions with said insulation material.